

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,584,431 B2
APPLICATION NO. : 10/724778
DATED : September 1, 2009
INVENTOR(S) : Kazushige Hiroi et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE:

Please correct Item (12) to read as follows:

(12) United States Patent

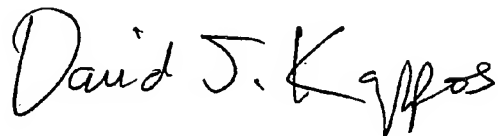
~~Kazushige~~ Hiroi et al.

Please correct Item (75) to read as follows:

(75) Inventors: ~~Hiroi Kazushige~~ Kazushige Hiroi, Machida (JP);
Nobukazu Kondo, Ebina (JP); Tsutomu
Hara, Yokohama (JP); Tooru Yokozawa,
Yokohama (JP); Kazuchika Ogiwara,
Fujisawa (JP); Masaya Umemura,
Yokosuka (JP); Shinichiro Okamura,
Yokohama (JP)

Signed and Sealed this

First Day of June, 2010

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large, prominent "D" and "K".

David J. Kappos
Director of the United States Patent and Trademark Office